std::array Exercises

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Built-in array

- What are the main advantages of built-in arrays over std::array?

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std::array

- What are the main advantages of std::array over built-in arrays?
- In what situations would it be preferable to use a built-in array instead of either an std::array or std::vector?

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std::array usage

- Write a program which
  - Creates and initializes an std::array
  - Prints out an element of the array
  - Modifies an element of the array and prints out the result
  - Assigns one std::array object to another

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Looping

- What forms of loops are available with std::array?
- Modify your program from the last exercise to print out the elements of the std::array. Use all the forms of loop which it supports

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std::array interface

- Why the interface of std::array not exactly the same as for std::vector?

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std::array as function argument

- Write a function which takes an std::array and prints out its elements
- Write an overload of this function which takes a built-in array
- Write a program to test your functions
- What happens if you pass an std::array with the wrong number of elements? Explain your results

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